

# Intro: Url Endpoints used

App menu tree:

Main menu - <https://mylinks.aghayev.com/api>

Sub menu: <https://mylinks.aghayev.com/api/subcategories>

Menu page: <https://mylinks.aghayev.com/api/weblinks/{slug}>

# Intro: App folder structure

App router:

app/

Navbar.js – ISR, fetch { revalidate: 10 }

weblinks/[slug]/page.tsx –

SSG – generateStaticParams

protected/\*

services/\*

lib/\*

# Navbar.js – ISR

ISR – Incremental Static Regeneration

Used if page content depends on external data

App Router:

```
const res = await fetch('https://.../posts',{ next: { revalidate: 10 } })
```

Pages Router:

```
export async function getStaticProps() {  
  const res = await fetch('https://.../posts')  
  const posts = await res.json()  
  return { props: { posts }, revalidate: 10 }  
}
```

`npm run build`

Result: If client-side data fetch - static site data stale for 10 seconds, then re-fetches.

If SSR and revalidate used - data re-fetched every 10 seconds

# weblinks/[slug]/page.tsx - SSG

## SSG – Static Site Generation

Used for statically generate routes

**App router:** app/weblinks/[slug]/page.tsx:

```
export async function generateStaticParams() {  
  const res = await fetch('https://.../subcategories')  
  const categories = await res.json()  
  return categories.map(({ slug }) => ({  
    slug: slug,  
  })))
```

Pages router: `getStaticPaths()`

`npm run build`

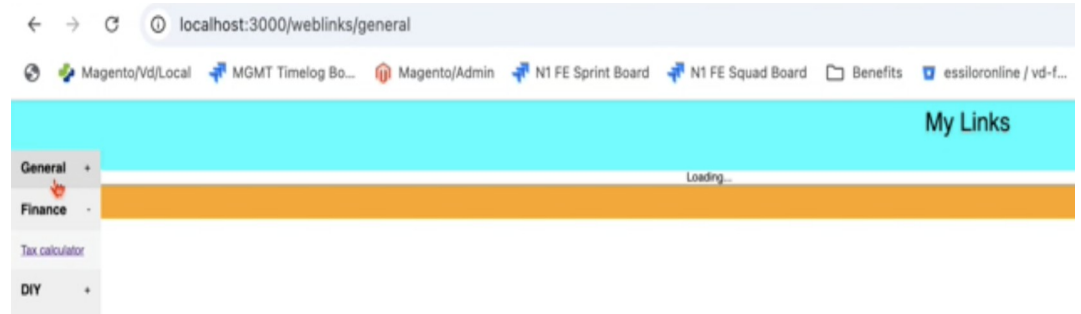
● /weblinks/[slug]	182 B	87.4 kB
├ /weblinks/general		
├ /weblinks/finance		
├ /weblinks/my-livejournal		
└ [+13 more paths]		

● (SSG) prerendered as static HTML (uses `getStaticProps`)

# App Router file conversion - loading.js

app/weblinks/[slug]/loading.tsx

```
export default function Loading() {  
  return <p>Loading...</p>  
}
```



# Capacitor Installation, page 1

For: `npm run static`

`package.json`

```
"scripts": {
```

```
...
```

```
"static": "next build && next export"
```

```
},
```

`next.config.mjs`

```
const nextConfig = {
```

```
  output: 'export',
```

```
};
```

```
export default nextConfig;
```

`capacitor.config.js`

```
{
```

```
...
```

```
  "webDir": "out",
```

```
...
```

```
}
```

# Capacitor installation, page 2

## Installation:

```
npm i @capacitor/core
```

```
npm i -D @capacitor/cli
```

```
npx cap init
```

```
npm i @capacitor/android @capacitor/ios
```

## Build time:

```
npm run static -- see Capacitor installation, page 1
```

```
npx cap add ios ( npx cap add android )
```

```
npx cap sync --
```

Next.js codebase translated to ios/ or android/ codebase.

For ios/ issue fix see Capacitor installation, page 3

For ios code copied to: /ios/App/App/public

For android code copied to: /android/app/src/main/assets/public

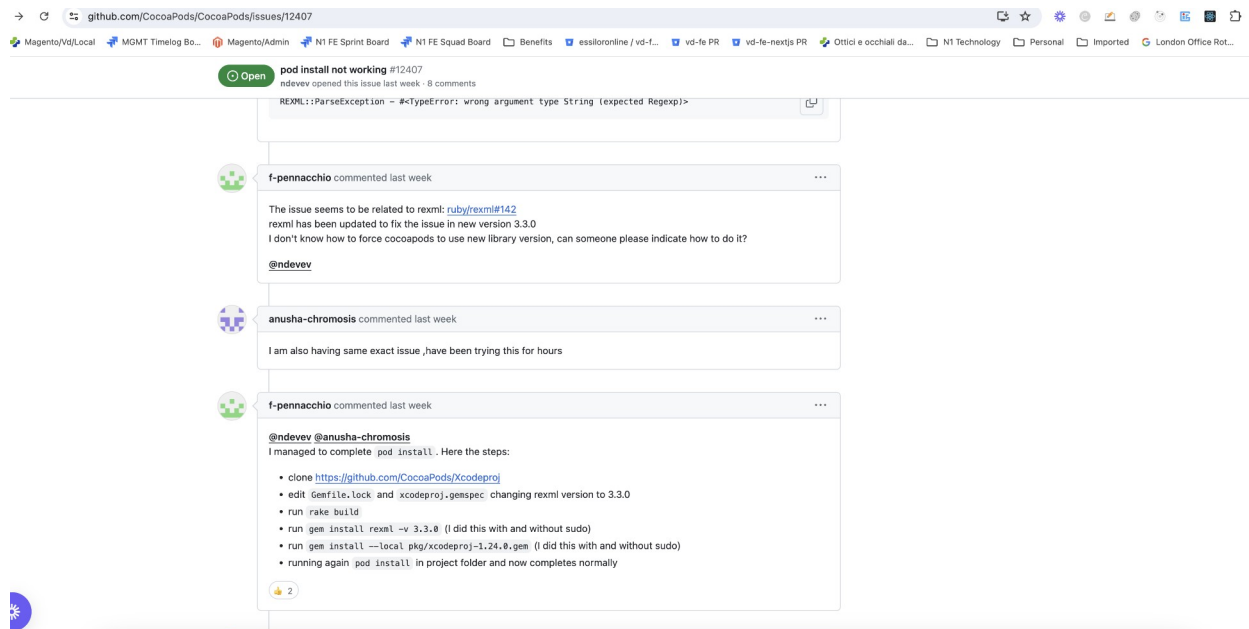
```
npx cap open ios ( npx cap open android ) --
```

Starts Xcode IDE or Android Studio IDE

# Capacitor Installation, page 3

For ios/ on some Macs build fails

To fix: follow this: [Xcodeproj CocoaPods](#)



The screenshot shows a GitHub issue page for "pod install not working #12407". The issue was opened by "ndevev" last week and has 8 comments. The error message is: `REXML::ParseException - #<TypeError: wrong argument type String [expected Regexp]>`.

The first comment is from "f-pennacchio" (commented last week). The text says: "The issue seems to be related to rexml: [ruby/rexml#142](#) rexml has been updated to fix the issue in new version 3.3.0 I don't know how to force cocoapods to use new library version, can someone please indicate how to do it? @ndevev".

The second comment is from "anusha-chromosis" (commented last week). The text says: "I am also having same exact issue ,have been trying this for hours".

The third comment is from "f-pennacchio" (commented last week). The text says: "@ndevev @anusha-chromosis I managed to complete pod install. Here the steps:

- clone <https://github.com/CocoaPods/Xcodeproj>
- edit Gemfile.lock and xcodeproj.gemspec changing rexml version to 3.3.0
- run rake build
- run `gem install rexml --v 3.3.0` (I did this with and without sudo)
- run `gem install --local pkg/xcodeproj-1.24.0.gem` (I did this with and without sudo)
- running again `pod install` in project folder and now completes normally

There are 2 upvotes on the third comment.



# Deploying to iOS, page 1

App > Imran Aghayev's iPhone Build **Failed** | Today at 16:20 1

App 1 issue

✖ Signing for "App" requires a development team. Select a development team in the Signing & Capabilities editor.

Xcode File Edit View Find Navigate Editor Product Debug Integrate Window Help

App develop App > Any iOS Device (arm64) Build Failed | Today at 16:20

App

App

General Signing & Capabilities Resource Tags Info Build Settings Build Phases Build Rules

+ Capability All Debug Release

PROJECT

App

TARGETS

App

Signing

Automatically manage signing

Xcode will create and update profiles, app IDs, and certificates.

Team

None

Imran Aghayev (Personal Team)

Add an Account...

Bundle Identifier

Provisioning Profile Xcode Managed Profile

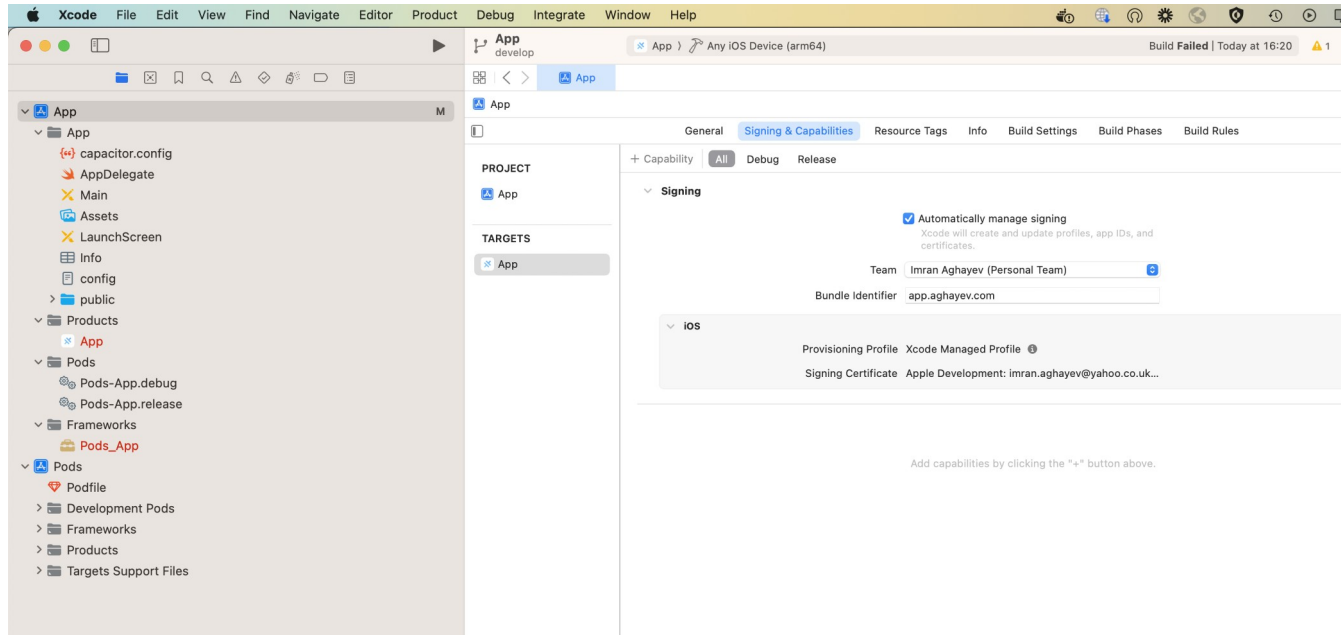
Signing Certificate Apple Development

Status

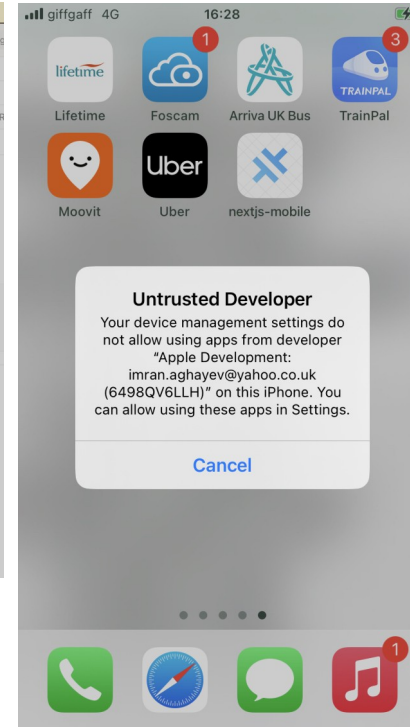
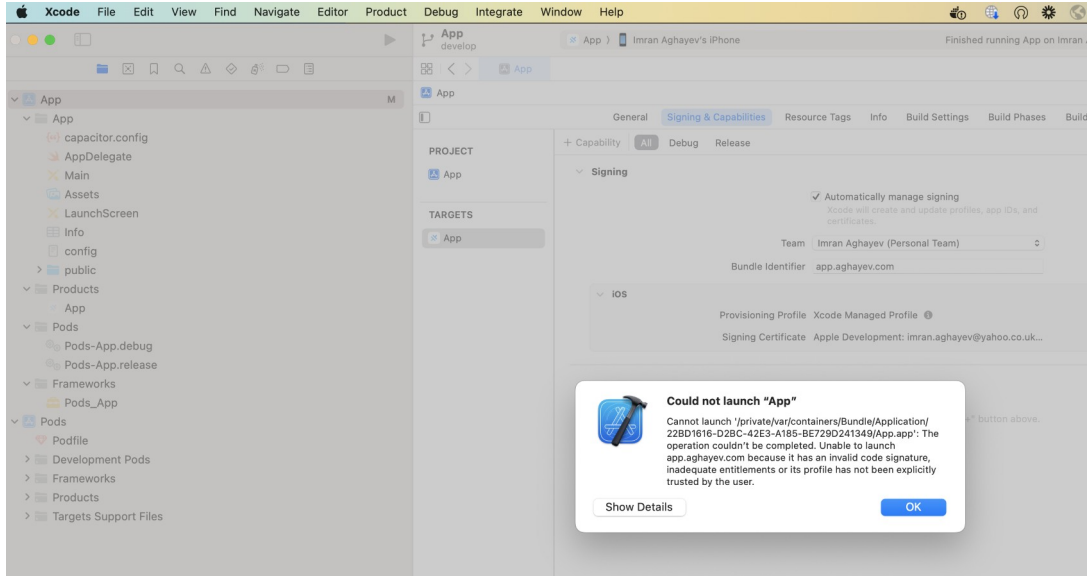
✖ Signing for "App" requires a development team. Select a development team in the Signing & Capabilities editor.

Add capabilities by clicking the "+" button above.

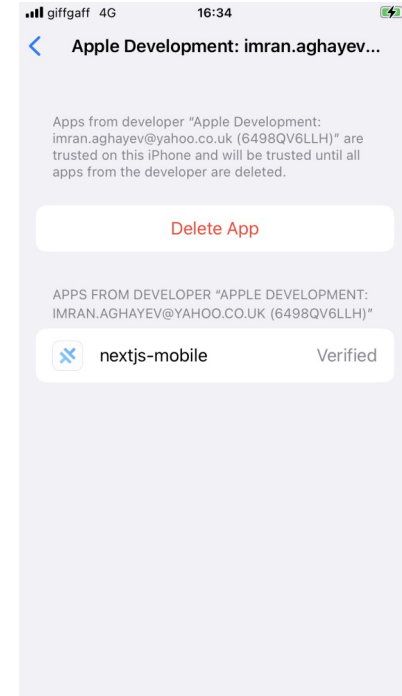
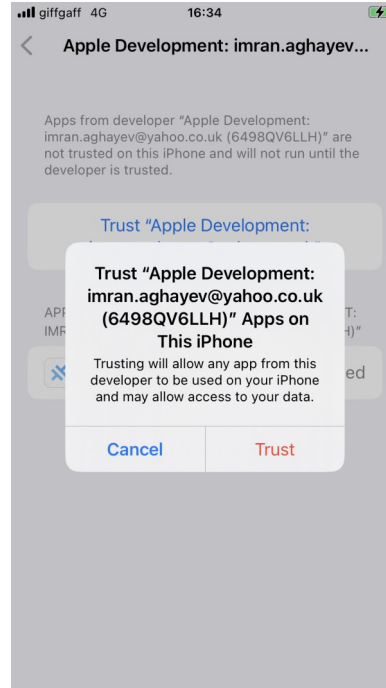
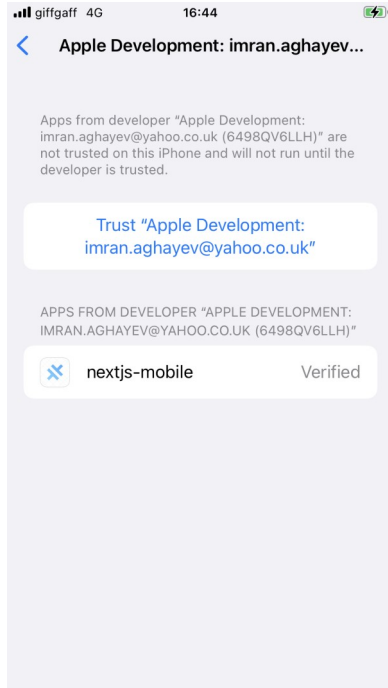
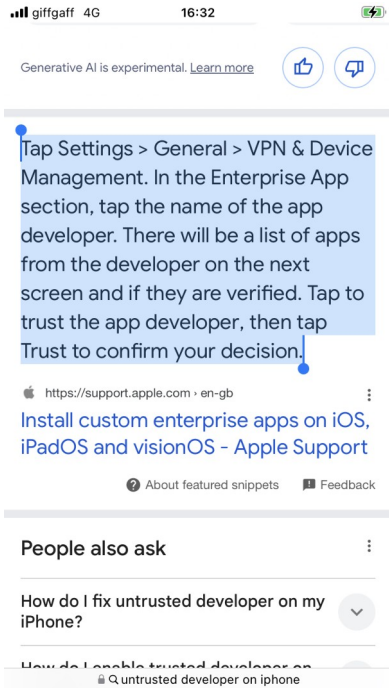
# Deploying to iOS, page 2



# Deploying to iOS, page 3



# Deploying to iOS, page 4



# Resources:

1. [Next.Js Mobile App in minutes with Capacitor](#)
2. [Capacitor Installation Instruction](#)
3. [Capacitor official documentation](#)
4. [Adding Signing Capabilities to your IOS App](#)
5. [Deploying to Android phone](#)
5. [Next.Js SSG and ISR](#)
6. [Next.Js App Router Migration](#)